

Title (en)

SYSTEMS AND METHODS FOR WIRELESS POWER AND COMMUNICATION

Title (de)

SYSTEME UND VERFAHREN FÜR DRAHTLOSSTROM UND -KOMMUNIKATION

Title (fr)

SYSTÈMES ET PROCÉDÉS DE TRANSFERT DE PUISSANCE ET DE COMMUNICATION SANS FIL

Publication

EP 3097625 A4 20171227 (EN)

Application

EP 15740306 A 20150120

Priority

- US 201461929922 P 20140121
- US 201514600008 A 20150119
- US 2015012099 W 20150120

Abstract (en)

[origin: US2015207542A1] The present invention relates to systems and methods for a charger which interacts with devices equipped with receivers. The charger may likewise have access to a server via a network connection. The charger receives a beacon signal from the receiver, and transmits power, and a control signal, to the device. Applications enable proper communication between the charger and the receiver. The receiver interprets and effectuates the commands. The receiver also includes sensors which generate data regarding the device status and usage. This data is provided to the server, via the charger. The server maintains a database of all user data collected from the devices, as well as user configurations. The user and third parties may access this data.

IPC 8 full level

H02J 50/80 (2016.01); **H04B 5/00** (2006.01); **H04W 4/80** (2018.01); **H04W 52/02** (2009.01)

CPC (source: EP KR US)

H02J 50/20 (2016.02 - KR US); **H02J 50/80** (2016.02 - EP KR US); **H04B 5/72** (2024.01 - EP KR US); **H04B 5/79** (2024.01 - EP KR US); **H04W 4/80** (2018.02 - EP KR US); **H04W 52/0296** (2013.01 - EP KR US)

Citation (search report)

- [XYI] US 2010315045 A1 20101216 - ZEINE HATEM [US]
- [XAI] US 2012326660 A1 20121227 - LU MINGYU [US], et al
- [YA] US 2012268238 A1 20121025 - PARK JINMOO [KR], et al
- [A] US 2009251309 A1 20091008 - YAMASUGE HIROYUKI [JP]

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 10181877 B2 20190115; **US 2015207542 A1 20150723**; EP 3097625 A2 20161130; EP 3097625 A4 20171227; JP 2017507632 A 20170316; JP 6632533 B2 20200122; KR 20160111473 A 20160926; US 2018219585 A1 20180802; WO 2015112514 A2 20150730; WO 2015112514 A3 20160310

DOCDB simple family (application)

US 201514600008 A 20150119; EP 15740306 A 20150120; JP 2016546474 A 20150120; KR 20167022682 A 20150120; US 2015012099 W 20150120; US 201815935763 A 20180326